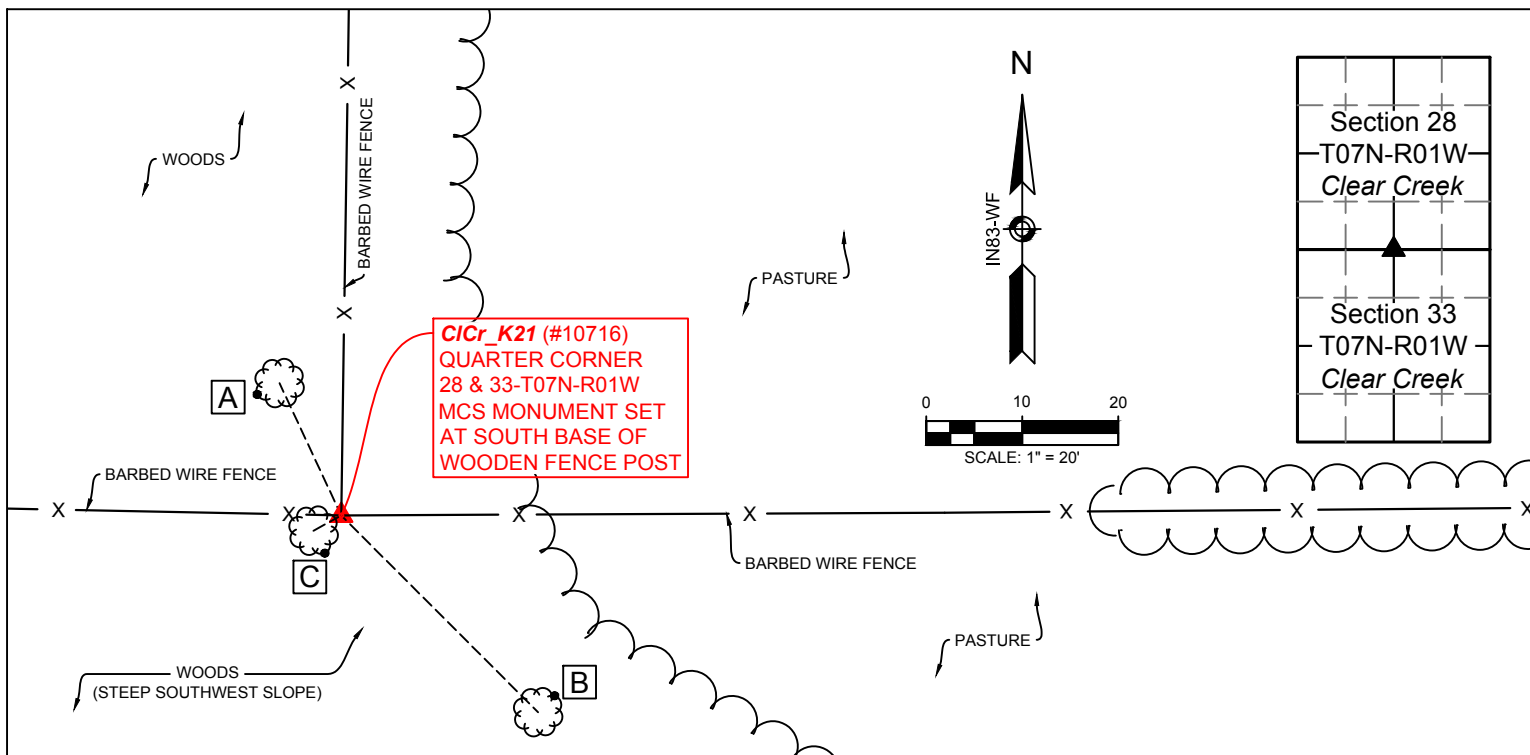




WITNESS MONUMENT TIES

All ties to new Bearing Trees (BTs) are a mag nail set in a hack mark at the root crown (less than 12" above ground) perpendicular to the center of the tree, unless otherwise noted. BT diameters are noted as dbh and are measured approximately 4.5' above ground. Bearings are measured from the monument to the center of the BT, distances are measured from the monument to the mag nail.

ID	BEARING	DISTANCE	DESCRIPTION
Witness A	N 25d W	15.2'	Mag nail and washer set 0.7' above grade in the southwest side of a 6" maple.
Witness B	S 45d E	29.0'	Mag nail and washer set 0.6' above grade in the northeast side of a 14" white oak.
Witness C	S 61d W	3.3'	Mag nail and washer set 0.6' above grade in the south side of an 8" american elm.

NOTES:

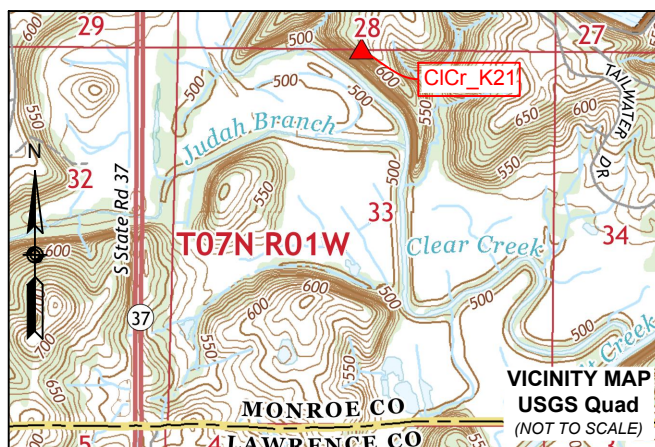
- Field work was performed on August 24, 2017 and August 23, 2018.
- Monroe County Surveyor's Field Book 52, page 31.
- Project Name: CICr_2018, Field work by: RSO & CAR, Drawn by: RSO, Reviewed by: RSO, TER & SRB.
- The basis of bearings is Grid North System NAD83(2011)/Indiana West NAVD 88, Epoch 2010.0000, geoid12b_conus.db3, US Survey Feet, derived from GPS observations utilizing a Javad Triumph LS Rover and a Javad Triumph 2 Base. Static observations were post-processed using the JAVAD GNSS Data Online Processing Service (DPOS). Distances obtained with GPS have not been adjusted to ground. Coordinate data was collected with a Javad Triumph LS Rover.
- Distances were measured with a Leica Disto laser distance meter. Bearings to witness ties were collected with the internal magnetic compass of the Javad Triumph LS and were automatically adjusted to grid north.
- Vicinity sketch was compiled per 2017 aerial photography.
- This document is not complete without the associated plat and report of survey for Section 33-T7N-R1W by Rachel Oser, of the Monroe County Surveyor's Office, dated 9/20/2018 and recorded as Instrument Number 2018012960 in the Monroe County Recorder's Office.

OTHER ACCESSORIES:

Work done to preserve existing monument. A Monroe County "PROTECT NEARBY SURVEY MARKER" sign was nailed to the south side of the wooden post 0.9' above grade and a rock cairn was built up around the post and the rebar.

VICINITY DESCRIPTION:

Corner location relative to nearby features and how to reach the corner - note fences, roads, timber, streams, topo changes, etc. From the Armstrong farmhouse at 880 E Depot Hill Road, take the dirt farm lane around the north side of the silos, then head south through the barnyard and the pasture for approximately 1800' to the east/west fence shown on the tiesheet.



- ▲ **Monument Description:** A 5/8" rebar with a 2" aluminum Berntsen cap stamped "MONROE CO. SURVEYOR" was set 0.5 feet above grade at the south base of an 8"x7"x8" and roughly triangular shaped ancient charred split wood fence post.
- State Plane Grid Coordinates:** Point No.:10716 Northing: 1369203.9', Easting: 3111031.7'

SHEET 1 OF 2	MONUMENT RECORD CORNER ID: CICr_K21	Quarter Corner Section 28 & 33- T07N-R01W Clear Creek Township Monroe County, Indiana	MONROE COUNTY GOVERNMENT OFFICE OF THE MONROE COUNTY SURVEYOR Trohn Enright-Randolph Monroe County Surveyor Rachel Savich Oser Professional Surveyor 119 West 7th Street, Bloomington, IN 47404 (812) 349-2570
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Photos were taken on 08/23/2018 with an iPhone 6s



Origin: The origin of the post is unknown. It was accepted as the best evidence of the corner with 54.9 feet of uncertainty in the easting and 9.3 feet in the northing.

History and Search Procedure: The original GLO surveyor set a wooden post at this corner with white oak witness trees to the northwest and northeast. No evidence of the monument or its accessories was found. The Monroe County Surveyor, Andrew Dillman, found the original post corner in April of 1887 (Reference Survey ID 000025 - Monroe County Survey Book 2, pages 436-438) but he did not take new witnesses. Dillman used the original post as the starting point to correct the north line of the northeast quarter of Section 33 and to set the North $\frac{1}{4}$ corner of the Northeast quarter (CICr_L21), which he set at the halfway point between this corner and the Northeast corner of Section 33. We did not find any other references to this corner in the survey record.

There used to be a field road running south from Depot Hill Road to a barn in the Northwest quarter of the Northeast quarter of Section 33. Field evidence of the road is difficult to observe, but it stands out clearly on the old quad maps and aerial photos from the mid-1970s. It appears to have meandered from the west side of the north/south centerline of Section 28 to the east side of the north/south centerline at its intersection with the north line of Section 33. It is possible that the fence intersection that we accepted was offset from the corner to avoid the road.

This corner is surrounded by property that the Armstrong family acquired from different parties through several deeds that contain conflicting distances to this corner. One deed provides a distance from the railroad that is 118.45 feet longer than measured, and another provides a distance from the northwest corner of Section 33 that is 54.9 feet longer than measured. We traced the first occurrence of the latter description to Deed Book 58, page 501, which was recorded in 1912. The description specifically calls out the half-mile post, which certainly could have been evident in 1912 (we know it was still there in 1887). The description doesn't mathematically close, however it does appear to have been based on survey measurements.

We evaluated several scenarios for the location of this corner. We considered single proportionate measure between the stone found a quarter mile east at CICr_L21 and the stone found a half-mile west at CICr_L21, record distances from the Armstrong deeds, proportionate distance based on the Armstrong deeds, and proportionate distance based on the 1887 survey. We searched for evidence of a monument at all of our calculated positions, but nothing was found. We have no record of a stone being set at this corner and the area around the fence is littered with native rock. In the end, we decided that the best evidence we have of the corner is the physical presence of the fence corner coupled with the measured distance of 1325.70 feet between the stone and the fence corner and the prorated record distance of 1324.29 feet from the 1887 survey.

Perpetuation: This monument was accepted by the Monroe County Surveyor Review Board on 9/18/2018. The rebar was set and witnessed on August 23, 2018 (MCS Field Book 52, page 31).



Trohn Enright-Randolph
Trohn Enright-Randolph
Monroe County Surveyor



Accepted by the Monroe
County Surveyor Review Board
on September 18, 2018



Rachel Oser
Rachel Savich Oser, State of Indiana
Professional Surveyor No. 21100022

SHEET
2
OF
2

MONUMENT RECORD
CORNER ID:
CICr_K21

Quarter Corner
Section 28 & 33- T07N-R01W
Clear Creek Township
Monroe County, Indiana



OFFICE OF THE MONROE COUNTY SURVEYOR
Trohn Enright-Randolph Monroe County Surveyor
Rachel Savich Oser Professional Surveyor
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